Sea surface temperature, salinity and fluorescence from sensors on R/V Endeavor cruise EN256 in the Gulf of Maine and Georges Bank in October, 1994 as part of the U.S. GLOBEC program (GB project)

Website: https://www.bco-dmo.org/dataset/2410
Data Type: Cruise Results
Version: 1
Version Date: 2009-01-07

Project
» U.S. GLOBEC Georges Bank (GB)

Program
» U.S. GLOBal ocean ECosystems dynamics (U.S. GLOBEC)

Contributors	Affiliation	Role
Irish, Jim	Woods Hole Oceanographic Institution (WHOI)	Co-Principal Investigator
Smith, Peter C.	Bedford Institute of Oceanography (BIO)	Co-Principal Investigator
Allison, Dicky	Woods Hole Oceanographic Institution (WHOI)	BCO-DMO Data Manager

Abstract
Sea surface temperature, salinity and fluorescence from sensors on R/V Endeavor cruise EN256 in the Gulf of Maine and Georges Bank in October, 1994 as part of the U.S. GLOBEC program (GB project)

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Coverage

Temporal Extent: 1994-10 - 1994-10

Dataset Description

Sea surface temperature, salinity and fluorometer data.

PI: J. Irish
Dataset: Sea surface sensor data
Ship: Endeavor
Cruise: 256

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Last updated 07 January 2009

Processing Description

* Sea-Bird SBE 21 Data File:
* FileName = C:TSALDATAEN256B.HEX
* Software Version 4.205
* Temperature SN = 1578
* Conductivity SN = 1578
* System UpLoad Time = Oct 30 1994 00:37:51
* R/V Endeavor
* Thermosalinograph
nquan = 5
nvalues = 2134
units = metric
name 0 = timeJ: time [julian days]
name 1 = t068: temperature, IPTS-68 [deg C]
name 2 = sal: salinity, PSS-78 [PSU]

name 3 = v0: voltage, number 0 [V]
name 4 = flag: 0.000e+00
span 0 = 303.02628, 304.50754
span 1 = 12.0186, 20.5458
span 2 = 31.3208, 35.1059
span 3 = 0.460, 1.521
span 4 = 0.000e+00, 0.000e+00
interval = seconds: 60
start_time = Oct 30 1994 00:37:51
bad_flag = -9.990e-29
serial_numbers = t0:1578, c0:1578, upoly1:TFluor
datcnv_date = Oct 31 1994 12:04:12, 4.205
datcnv_in = EN256B.HEX EN256B.CON 1578 1578
datcnv_skipover = 0
file_type = ascii
END

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Parameters

Parameter	Description	Units
cruiseid	Cruise identification	n/a
julian_day_time	Julian day and decimal time	GMT
temp	Temperature	degrees C
sal	Salinity	PSU
fluorescence	Unprocessed fluorescense	volts
quality_flag	Data quality	n/a

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Instruments

Dataset-specific Instrument Name	Thermosalinograph
Generic Instrument Name	Thermosalinograph
Dataset-specific Description	Thermosalinograph, deployed on Sea-Bird SBE 21
Generic Instrument Description	A thermosalinograph (TSG) is used to obtain a continuous record of sea surface temperature and salinity. On many research vessels the TSG is integrated into the ship's underway seawater sampling system and reported with the underway or alongtrack data.

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Deployments

EN256

Website	https://www.bco-dmo.org/deployment/57398
Platform	R/V Endeavor
Report	http://globec.whoi.edu/globec-dir/reports/en256/cruise.html
Start Date	1994-10-26
End Date	1994-10-31
Description	long term mooring deployment **Acquisition Description** Jim Irish sea surface temperature, salinity and fluorometer data **Processing Description** # * Sea-Bird SBE 21 Data File: # * FileName = C:TSALDATAEN256B.HEX # * Software Version 4.205 # * Temperature SN = 1578 # * Conductivity SN = 1578 # * System UpLoad Time = Oct 30 1994 00:37:51 # * R/V Endeavor # * Thermosalinograph # nquan = 5 # nvalues = 2134 # units = metric # name 0 = timeJ: time [julian days] # name 1 = t068: temperature, IPTS-68 [deg C] # name 2 = sal: salinity, PSS-78 [PSU] # name 3 = v0: voltage, number 0 [V] # name 4 = flag: 0.000e+00 # span 0 = 303.02628, 304.50754 # span 1 = 12.0186, 20.5458 # span 2 = 31.3208, 35.1059 # span 3 = 0.460, 1.521 # span 4 = 0.000e+00, 0.000e+00 # interval = seconds: 60 # start_time = Oct 30 1994 00:37:51 # bad_flag = -9.990e-29 # serial_numbers = t0:1578, c0:1578, upoly1:TFluor # datcnv_date = Oct 31 1994 12:04:12, 4.205 # datcnv_in = EN256B.HEX EN256B.CON 1578 1578 # datcnv_skipover = 0 # file_type = ascii # *END*

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Project Information

U.S. GLOBEC Georges Bank (GB)

Website: http://globec.whoi.edu/globec_program.html

Coverage: Georges Bank, Gulf of Maine, Northwest Atlantic Ocean

The U.S. GLOBEC Georges Bank Program is a large multi- disciplinary multi-year

oceanographic effort. The proximate goal is to understand the population dynamics of key species on the Bank - Cod, Haddock, and two species of zooplankton (Calanus finmarchicus and Pseudocalanus) - in terms of their coupling to the physical environment and in terms of their predators and prey. The ultimate goal is to be able to predict changes in the distribution and abundance of these species as a result of changes in their physical and biotic environment as well as to anticipate how their populations might respond to climate change. The effort is substantial, requiring broad-scale surveys of the entire Bank, and process studies which focus both on the links between the target species and their physical environment, and the determination of fundamental aspects of these species' life history (birth rates, growth rates, death rates, etc). Equally important are the modelling efforts that are ongoing which seek to provide realistic predictions of the flow field and which utilize the life history information to produce an integrated view of the dynamics of the populations. The U.S. GLOBEC Georges Bank Executive Committee (EXCO) provides program leadership and effective communication with the funding agencies.

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Program Information

U.S. GLOBal ocean ECosystems dynamics (U.S. GLOBEC)

Website: http://www.usglobec.org/

Coverage: Global

U.S. GLOBEC (GLOBal ocean ECosystems dynamics) is a research program organized by oceanographers and fisheries scientists to address the question of how global climate change may affect the abundance and production of animals in the sea. The U.S. GLOBEC Program currently had major research efforts underway in the Georges Bank / Northwest Atlantic Region, and the Northeast Pacific (with components in the California Current and in the Coastal Gulf of Alaska). U.S. GLOBEC was a major contributor to International GLOBEC efforts in the Southern Ocean and Western Antarctic Peninsula (WAP).

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Funding

Funding Source	Award
National Oceanic and Atmospheric Administration (NOAA)	unknown GB NOAA
NSF Division of Ocean Sciences (NSF OCE)	OCE-9313670

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